

Ghana

Population: **28 million**
GDP Growth: **3.6%**
GDP/Cap (PPP): **\$1,513**
Ease of Doing Business: **108**

"Power Africa is a very important initiative ... and enables us, particularly as a US company, to have lots of discussions with the various groups and try to come up with solutions for the projects we're pursuing, such as LNG in Ghana."

- Sean Long, CEO of Endeavor Energy

ENERGY SECTOR OVERVIEW

Ghana aspires to industrialize and provide economic opportunities for its growing population of 28.2 million. One of key constraints to this vision is its unreliable and costly supply of electric power. Ghana currently has over 4,000 MW of installed generation capacity, though actual availability rarely exceeds 2,400 MW due to changing hydrological conditions, inadequate fuel supplies and dilapidated infrastructure. With a significant endowment of natural gas and renewable energy to generate electricity Ghana is poised to overcome these constraints.



GENERATION CAPACITY

Installed Capacity: 4,200 MW

- Hydroelectric: 1,580 MW
- Thermal: 2,620 MW
- Renewable: 22.5 MW

Power Africa New MW to date

- Reached Financial Close: 550 MW



CONNECTIONS

Current Access Rate: 83%

- Rural: 50% Urban: 91%

Households without Power: 1.2 million

- Target: Universal Access by 2020

PA New Grid Connections: 79,900

PA New Off-Grid Connections: 27,100

INVESTMENT AND ENABLING ENVIRONMENT

Biggest Issues and Bottlenecks

1. Poor financial health of the energy sector, and legacy debt.
2. Creditworthiness of utility.
3. Excess generation capacity in the short-term and a high cost of generation.
4. Lack of transparent procurement framework.
5. Lack of strong, transparent regulatory precedents to drive competition

Power Africa Interventions

1. Transaction advisory support; Beyond-the-Grid initiative; analytical work; and capacity-building.
2. MCC Compact for ECG; Assistance with Cashflow Waterfall; Risk Mitigation Instruments.
3. Integrated Resource and Resilience Planning; and Power sector master-plan development.
4. Partnership with MCC, State, FCS, NREL, USEXIM, and OPIC.



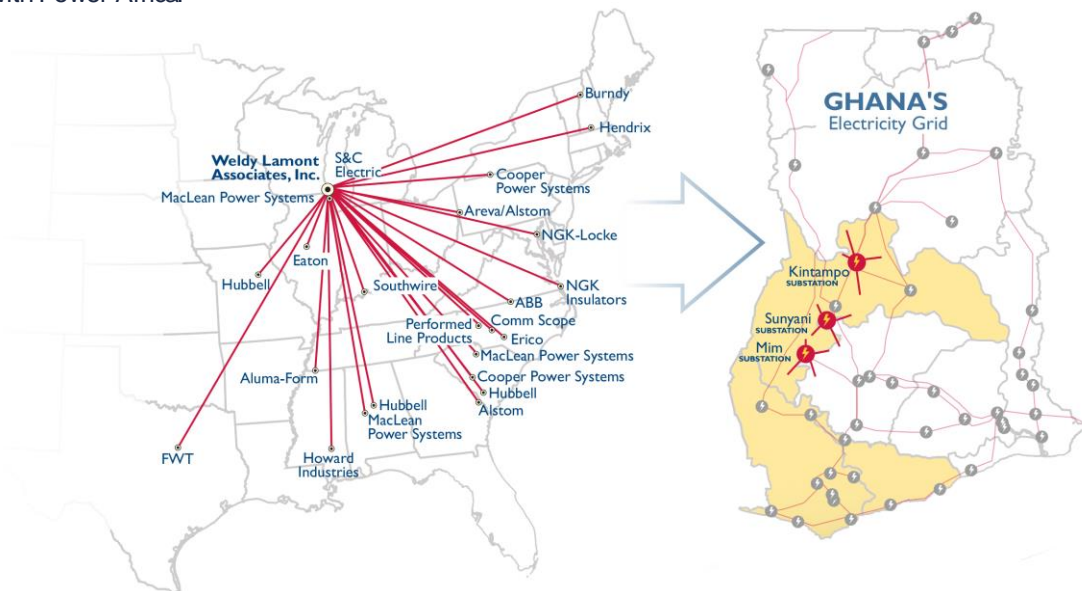
POWER AFRICA'S ENGAGEMENT IN GHANA

MW GENERATION SUCCESSSTORY

The Amandi Power project is a 200 MW combined cycle dual fuel power plant in Aboadze, Ghana. It is emblematic of Power Africa's partnership-driven approach. Numerous private sector partners were involved in the consortium that closed the project. Rand Merchant Bank and Nedbank provided commercial debt, Aldwych International and Texas-based Endeavor Energy were sponsors of the project. General Electric will serve as the engineering, procurement and construction provider; and private equity funds Denham Capital and Harith provide equity backing to the project sponsors. USAID played a role in convening these private sector stakeholders and coordinating with the Government of Ghana (GoG) in order to push the project toward financial close. USAID supported two embedded advisors in Ghana's Ministry of Energy (MoEn) who played key advisory roles to the GoG to facilitate financial close of the project. These advisers have also provided targeted analysis and transactions facilitation to help MoEn's concerted efforts expand the commercial supply of domestic gas to bring down the cost of power to Ghanaians.

CONNECTIONS

With Power Africa's support, Chicago-based Weldy Lamont has extended Ghana's electric grid to connect more than 67,000 rural households, as part of the Government of Ghana's Self-Help Electrification Program. Power Africa is also assisting the Government of Ghana implement a mini-grid policy to sustain the business model of companies developing mini-grids. Black Star Energy is piloting the Quality Assurance Framework for Minigrids with Power Africa.



ABOUT POWER AFRICA

Power Africa is comprised of 12 U.S. Government Agencies, over 140 private companies, and 16 bilateral and multilateral development partners to support sub-Saharan governments by working together to increase the numbers of people with access to power. Power Africa's goal is to achieve 30,000 MW of new generated power and 60 million new connection by 2030 to reach 300 million Africans.

CONTACT US

Post Contact
Mark Newton
mnewton@usaid.gov

Coordinator, Power Africa
Andrew M. Herscovitz
powerafrica@usaid.gov

Country Desk Officer
Albert Osueke
aosueke@usaid.gov